

**"The Northwest's Largest Ham Convention"**



# SEA-PAC '08

May 30<sup>th</sup>, 31<sup>st</sup>, Jun 1<sup>st</sup>, 2008

**NORTHWESTERN DIVISION ARRL CONVENTION**

**Seaside Convention Center, Seaside Oregon**

Commercial Exhibits • Giant Flea Market • Banquet/Entertainment  
Seminars

***On the Beautiful Northwest Ocean Beach***

**Exhibitors Call:**

Al Berg, W7SIC  
503.816.7098

**SEA-PAC Convention**

PO Box 25466  
Portland, OR 97298-0466

**Registration Info:**

Will Sheffield,  
N7THL  
503.642.7314

◀ **www.seapac.org** ▶

I want to be part of SEA-PAC '08. Please send me:

- ☐ Registration Form    ☐ By email  
   ☐ By US Mail
- ☐ Flea Market Information
- ☐ Commercial Exhibit Rates and Contract
- ☐ I would like to present a Seminar:  
Topic \_\_\_\_\_

Name \_\_\_\_\_ Call \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Telephone \_\_\_\_\_

Email Address \_\_\_\_\_

**Fill out this form — Leave at the Registration Desk  
to receive information on SEA-PAC '08.**

SEA-PAC

2007 NW Division ARRL Convention



# SEA-PAC



25th Year

**Northwestern Division  
ARRL Convention**



**Seaside Convention Center  
Seaside, Oregon**

**June 1st, 2nd and 3rd, 2007**

**Web: <http://www.seapac.org>**

**Presented by  
Oregon Tualatin Valley  
Amateur Radio Club**







## WELCOME

**SEA-PAC**, the Northwestern Division ARRL Convention, is sponsored by the Oregon Tualatin Valley Amateur Radio Club. Co-Sponsors include Clark County Amateur Radio Club, Hoodview Amateur Radio Club, and Sunset Empire Amateur Radio Club.

*Thanks to convention volunteers for their assistance. We invite everyone to enjoy themselves to the fullest and be a part of making this event a success.*

## BANQUET SPEAKER

The **SEA-PAC** banquet is a time to reacquaint yourself with hams from around the division, the nation and the world. Our guest speaker at this years banquet is Mary M. Hobart, K1MMH.

Mary M. Hobart, K1MMH, is Chief Development Officer of the American Radio Relay League (ARRL), the national association for Amateur Radio. Hobart is responsible for all fund raising activities on behalf of ARRL including Spectrum Defense, Education and Technology, W1AW and Historic Preservation. She also manages ARRL's Diamond Club for annual giving, the ARRL Maxim Society for lifetime giving, estate planning, and solicits grants to support League emergency communications and educational activities. Her interests in Amateur Radio include emergency communications and education.

Prior to joining the ARRL staff in 2001 as the organization's first development officer, Hobart was the Vice President for Development at Connecticut Public Broadcasting in Hartford, Connecticut. She's also worked in development for public broadcasting stations in North Carolina, Philadelphia and New Jersey.

### Banquet Prizes

FT-60R DUAL BAND HT    FT-1802M 2M MOBILE

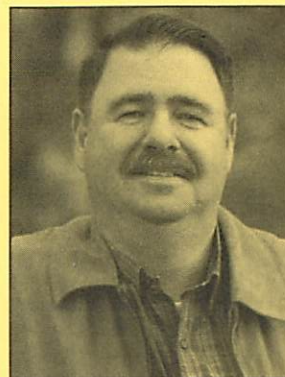
### SEA-PAC '07 PIN

Congratulations to C Wayne Schuler AI9Q, winner of the 2007 **SEA-PAC** Pin Contest. He receives two tickets to the Convention Banquet on Saturday evening. Be sure to pick up your 2007 Pin (\$5.00) at the Registration Desk. Pins from some previous **SEA-PAC** Conventions are also available for purchase.

## 2007 CHUCK MICKLEY Memorial Scholarship

The 2007 Chuck Mickley Memorial Scholarship Recipient is  
**Steve Johnson, N7VIC**

My name is Steve Johnson N7VIC. I was born in and raised in Southern California where I lived until entering the Marine Corps in 1976. While I was on a temporary assignment to



Yuma, Arizona I met another Marine with this weird looking radio in his car. When I asked him about it, he was very anxious to share his hobby of ham radio with me. He made a contact in San Diego, California through a repeater. I was quite impressed and several years later obtained my technician license and then studied for and received Tech Plus. The reason for wanting the license was my interest in community service. Since becoming a ham I have mentored about a dozen people, including my father, all who have been involved in public service and events since. I have found ham radio to be a group of caring and sharing individuals, ready to assist whenever called upon. Its one of the few hobbies that benefit others along the way, and the ham community has proven to be a great community to live in.

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# SEA PAC COMMITTEES

## EXECUTIVE COMMITTEE

Al Berg W7SIC  
Will Sheffield N7THL  
Wayne Schuler AI9Q

## TREASURER

*Rick Banton, KD7THV*

## EXHIBITORS

Al Berg W7SIC

## EXHIBITORS

## HOSPITALITY

Betty Mickley, N7REX  
Frances Adams KB8PRL  
Scott Adams KB8PRS  
Charles Mickley Jr.  
Molly Mickley  
Joe Boyd N7VZS  
Ann Boyd

## EXHIBIT SET-UP

Cindy Kenyon KC7UJD  
Jerry Kenyon KB7LNR  
Wes Allen, K7WWG  
Debbie Allen  
Ivan Look, N7PRM  
Laura Look  
Kathy McClanahan, N7YBN  
Richard McClanahan, KC7GBU  
Geoff Apgar, W7JEZ  
Steve Brice, NA7T  
John Poland  
Bill Morris, W7IH  
Steve Tarr, KD7MRX

## MEAL ARRANGEMENTS

Al Berg W7SIC

## FLEA MARKET

Lynn Hurd WB7UNU  
Tom Hill WA3RMX  
Jack Smithson KA7HOJ  
Stan Griffiths W7NI

## PRIZE COMMITTEE

*Darwin Durr K7PSD*  
Al Berg W7SIC  
Everett Curry W6ABM  
Jeff Durr KA7AKU  
Mike Durr KA7PWZ  
Ron O'Connor KD7VIK  
Chuck Samuel K7NWM  
Jim Schaeffer KB7ADH  
Gavin Silaski, KC7UIL  
Mel Sutton KB7PVW

## REGISTRATION

*Will Sheffield N7THL*  
*Rick Banton, KD7THV*  
Mary Berg N7TRW  
Donna Samuels  
Jerry Sheffield, KC7EKT

## V.E. TESTING

*Carl Clawson WS7L*  
John Anderson KA7BRZ  
Gordon Girtton W6NW  
Anne Grimm KA7TON  
Claire Johnson N7CM  
Ernie Johnson K7EAJ  
Jerry Miller NB7PX  
Jim Monaghan N7HKO  
Rich Morgan KD7GIE

## SEMINARS

Hoodview A.R.C.  
*Ed Clulow N7TL*  
Armand Pilote W7IG  
John Barmore W7SIR  
Jim Schoch KA7AGH  
Cory Schoch KA7IUG  
Joe Michaud, N7HA  
Pat Michaud, W7RED  
Greg Phillips, K7GAP

## SECURITY

Clark County A.R.C.  
*Luther Brisky KC7KVL*  
*Bruce Bullis, KG6CIJ*  
Wayne Schuler AI9Q

## SPECIAL EVENT STATION

Dave Haupt, W8NF

## TALK-IN STATION

Sunset Empire A.R.C.  
*Marque Marriott N7LWQ*  
Bernie Gildner KD7UDX  
Don Hillgaertner WA7TEM  
Dave Klinger W7DEK  
Alene Linehan KA7CXP

## WEB SITE

*Rox Heath KD7OHE*  
Bob Heath KD7OHF

## MAILER & PROGRAM

*Luther Brisky, KC7KVL*

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## V.E. TEST SESSION

*Testing at Our Saviour's Lutheran Church—East Parish Hall  
(North—across the street from the Convention Center)*

*One Session—Saturday at 9 AM*

*Pre-registration requested. Walk-ins — Space Available*

*Express your appreciation to these volunteers. They make SEA PAC '07 Possible.  
Committee Chairs are listed above in italics*

# SEA-PAC SCHEDULE OF EVENTS

## Friday, June 1

Registration	11:00 AM – 8:00 PM
Exhibitor & Flea Market ( <i>Setup Only</i> )	11:00 AM – 8:00 PM
Workshop	12:30 PM – 5:00 PM

## Saturday, June 2

Exhibitor/Flea Market Set-Up	7:30 AM – 9:00 AM
Registration	8:00 AM – 4:30 PM
Exhibits & Flea Market	9:00 AM – 4:30 PM
Snack Bar	9:00 AM – 4:30 PM
VE Exams (Our Saviour's East Parish Hall)	9:00 AM – NOON
Seminars (Seaside & Riverview Rooms)	9:30 AM – 5:00 PM
Hourly Awards	10:00 AM – 3:00 PM
DX Luncheon (Best Western Oceanview)	11:30 AM – 1:30 PM
YLRL Luncheon (Oceanview Fireplace Room)	11:30 AM – 1:30 PM
QCWA Luncheon (Oceanview Tillamook Room)	11:30 AM – 1:30 PM
ARRL Forum (Seaside A&B)	1:00 PM – 2:15 PM
Special SEA-PAC Award	2:30 PM
Pre-Banquet Happy Hour (Convention Lobby)	6:30 PM – 7:15 PM
SEA-PAC Banquet (Convention Center)	7:15 PM – 9:30 PM

## Sunday, June 3

Registration	8:30 AM – 12:00 PM
Exhibits & Flea Market	9:00 AM – 1:00 PM
Snack Bar	9:30 AM – 12:30 PM
Hourly Awards	9:00 AM – 11:00 AM
Special SEA-PAC Award	10:30 AM
SEA-PAC Awards	1:00 PM – 2:00 PM
Convention Closes	2:00 pm

# The Road/Warrior named

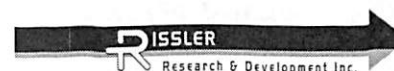


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CQ magazine (February 2007), QST magazine (April 2007)  
PC Today magazine (April 2007)



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## MEETINGS AT SEA-PAC

SEA-PAC provides the SEA-MIST Room for these meetings.

Meetings are scheduled by, and the responsibility of, the organizations listed.

### Saturday, June 2nd

10:00 AM..... Lighthouse Society ..... Pati Urie W7ZIW  
1 PM ..... Oregon ARES ..... Wayne Jack, KK7TT  
3:30 PM ..... Oregon Section Cabinet..... Bonnie Altus, AB7ZQ

### Sunday, June 3rd

10:00 AM..... ARRL NW Division Cabinet ..... Jim Fenstermaker, K9JF

## RAGS Test Bench

As a service to flea market buyers, the Radio Amateurs of the Gorge (RAGS) provides a test bench. Equipment includes a power supply, speaker, voltmeter, service monitor, frequency counter, oscilloscope and wat meters. Buyers and prospective buyers are encouraged to make use of this service to check out flea market treasures and those unbelievable bargains.

Neither RAGS nor SEA-PAC accepts responsibility for the condition or operability of any equipment, nor can they be held responsible for equipment damage as a result of use of test gear.



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**SITE LOCATIONS --**

Bend -- 147.04  
Cedar Mill -- 147.38 (pl 100)  
Eugene -- 443.80  
LaGrande -- 147.26  
Medford -- 147.02  
Mt. Hood -- 147.12 & 444.225  
Newberg -- 444.125 (pl 127.3)  
Pendleton -- 145.33  
Portland -- 147.04 & 224.94  
442.225  
S/Saddle Mtn --  
147.32 & 442.325

## W1AW/7 Special Event Station

In celebration of this 25<sup>th</sup> anniversary, SEAPAC and the ARRL have joined forces to bring to you a W1AW/7 special event station, which will be operational Saturday and Sunday on the HF bands.

### Enjoy the special event station in one or both of two ways:

You can come to operate from the station, and enjoy the on-the-air popularity of operating with such a famous callsign. We will be in particular looking for those who've never made an HF QSO, and will have experienced and able mentors to help you gain this enjoyable experience.

Or, you can work the station. A special commemorative QSL card will be sent exclusively to those stations who work W1AW/7 during this 25<sup>th</sup> anniversary event.

### Look for us on the following frequencies:

SSB (primary mode): 3990, 7290, 14290, 21390 and 28590 kHz  
CW (if visiting ops desire to use CW): 3518.5, 7047.5, 14047.5, 21067.5, 28067.4 kHz

Note: These are the ARRL bulletin and code practice frequencies. During W1AW bulletins and practice from Newington, CT, look for us within 10kHz of those frequencies.

### Thanks to:

The ARRL, and David Sumner, K1ZZ, the W1AW station trustee

Jim Fenstermaker K9JF, the Northwest Division Director,  
who secured our permission to use the callsign

### Sponsoring and supporting clubs:

The Oregon Tualatin Amateur Radio Club (OTVARC) W7OTV ([www.otvarc.org](http://www.otvarc.org))  
The Clark County Amateur Radio Club (CCARC) W7AIA ([www.w7aia.org](http://www.w7aia.org))  
The Hoodview Amateur Radio Club (HARC) WB7QIW ([www.wb7qiw.org](http://www.wb7qiw.org))  
The Sunset Empire Amateur Radio Club W7BU (email W7LY@charter.net)

# SEA PAC EXHIBITORS

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American Red Cross Oregon Trail chapter	OTVARC
AMSAT	National Communications
Arcom Communications	Providence Health Systems
ARRL	Rescue Tape NW
ARRL 7th QSL Bureau	Rissler-R&D.com
Aventrade	Royal Naval Amateur Radio Society
Badge Boys	SurplusGizmos.com
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Clark County Amateur Radio Club	US Navy/Marine Corps MARS
DC Power LLC	The Ventenna Co.
Elecraft	WB0W, Inc.
Fue Enterprises	Western Case Sales
HamAv Electronics	Wired Communications
	YLRL

*Due to publication deadlines we apologize for any changes or omissions.*

**Audio Enhancement Technology**  
*-It All Starts at the Microphone*  
**Bob Heil K9EID**  
**Chip Margelli K7JA**  
**SAT 10:00 AM Seaside A&B**

Come learn the fundamentals about sound reinforcement in your station, and see the products and techniques for achieving more effective power output from your transmitter.

An effective microphone is, to the input side of the transmit chain, what an effective antenna is to the output side. Renowned audio guru Bob Heil, K9EID makes his Seaside debut with this animated and informative seminar, along with Heil Sound's VP for Sales and Marketing, Chip Margelli, K7JA.

**APRS – Automatic Position Reporting System - APRS**  
**Jim Schoch KA7AGH**  
**SAT 3:00 PM Riverview B**

This continues to be one of the most requested topics. While tracking of moving objects and weather reporting are important functions it is basically a mapping system. Learn how it works and how you can get involved with this fascinating area of ham radio.

**Working with Emergency Managers**  
**Ed Bruette N7NVP**  
**SAT 10:00 AM**

This presentation Ed gave to the EM Assoc. conference is a combination of a 24 min. video produced by Gordon Grove WA7LNC on what amateur radio can give to EM's and a PowerPoint that outlines the comments he made on what EM's can do for Amateur Radio. Ed is State RACES Officer for WA and ARRL Section Manager for WWA.

**Thoughts on the Art of Dxing**  
**Lew Sayre W7EW**  
**SAT 10:00 AM Riverview C**

If you can't make the DX luncheon Lew agreed to give the same talk he will give at the luncheon.

**The Miracle of Balanced Feed**  
**New Concepts With Wire Antennas and Verticals**  
**Ken Glanzer K7GCO**  
**SAT 3:00 PM Riverview C**

Ken describes a whole new way to balance feed antennas that assures maximum F/B and gain. F/B above 25 dB is difficult to obtain unless everything is right with the feed system. Also new ways to obtain 50 ohms without matching devices when vertical and yagi Rr's are less than 50 ohms.

There is a new way to top load verticals on 160-40m that is efficient and has good bandwidth and to obtain 50 ohms.

**Introduction to Transmitter Hunting**  
**Dale Hunt WB6BYU**  
**SAT 11:00 AM Riverview A**

Transmitter hunting, or Radio Direction Finding, can be a fun pastime, an international competitive sport, or a life-saving skill. This seminar will introduce you to the concepts and some simple ways that you can join in the fun.

**Emergency Preparedness**  
**American Red Cross**  
**SAT 1:00 PM Seaside C**

Fires, floods and other natural or man made disasters can strike often without warning. Are you prepared to protect your home and family. Learn what steps to take now.

**Short Antennas for 80 and 40 Meters**  
**Bob Fansburg W7DV**  
**Russ Fillinger W7LXR**  
**SAT 1:00 PM Riverview C**

Are the low sunspots and lack of room for an effective antenna on the low bands frustrating you? Bob and Russ think they have the answer. Come and hear some ideas on how to make effective antennas for the low bands.

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CP-5 3/8-24	3/8-24 / PL-259

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**COMET SMA-24 DUAL-BAND 2M/70CM HT ANTENNA** RX range: 100-1200MHz • Gain: 2.15/3.5dBi • Length: 17" • Conn: SMA Super flexible featherweight whip

**COMET SMA-503 DUAL-BAND 2M/70CM HT ANTENNA** RX range: 100-1200MHz • Length: 8.75" • Conn: SMA

**Maldol MH-209 [BNC Conn] MH-209SMA [SMA Conn] 2M/70CM DUAL-BAND HT ANTENNAS** 3' length, soft rubber cover. Good performance in a small package!

**COMET CA-2X4SR DUAL-BAND, SUPER WIDE-RANGE 2M/440MHZ W/FOLD-OVER**  
 Gain & Wave: 146MHz 3.8dBi 5/8 wave • 446MHz 6.3dBi 5/8 wave x 3 • Length: 40" • Conn: PL-259 • Max Pwr: 150W  
 2:1 VSWR: 140-160MHz and 435-465MHz • One Antenna for operating on Amateur and Emergency Service Frequencies

**COMET M-24 (M/B/S) 2M/440MHZ DUAL-BAND MAG MOUNT** Gain: 1.7/4.1dBi • Length: 19.5" • Max Pwr: 80W Coax Length: 12" • Conn choices: M-24M PL-259, M-24B BNC, M-24S SMA

**COMET SBB-1 / SBB-1NMO FLEXIBLE DUAL-BAND 2M/440MHZ W/RUBBERIZED ELEMENT**  
 Gain & Wave: 146MHz 1.7dBi 1/4 wave • 446MHz 2.15dBi 1/2 wave • Length: 16" • Max Pwr: 60W  
 Conn: SBB-1 PL-259, SBB-1NMO: NMO type

**Maldol AX-50 DUAL-BAND 2M/440MHZ**  
 Gain & Wave: 2M 1/4 wave • 70cm 5.0dBi 9/8 wave • Length: 21" • Conn: PL-259 • Max Power: 60W

**Maldol AX-75 DUAL-BAND 2M/440MHZ W/FOLD-OVER**  
 Gain & Wave: 2M 1/2 wave center load 3.2dBi • 70cm 5/8 wave x 2 5.7dBi • Length: 30" • Conn: PL-259 • Max Power: 60W

**Maldol AX-95 DUAL-BAND 2M/440MHZ W/FOLD-OVER**  
 Gain & Wave: 2M 1/2 wave center load 3.3dBi • 70cm 5/8 wave x 2 5.8dBi • Length: 35" • Conn: PL-259 • Max Power: 60W


**COMET B-10 / B-10NMO DUAL-BAND 2M/440MHZ**  
 Gain & Wave: 146MHz 0dBi 1/4 wave • 446MHz 2.15dBi 1/2 wave • Length: 12" • Conn: B-10 PL-259, B-10NMO: NMO style • Max Pwr: 60W

**COMET SBB-2 / SBB-2NMO DUAL-BAND 2M/440MHZ**  
 Gain & Wave: 146MHz 2.15dBi 1/4 wave • 446MHz 3.8dBi 5/8 wave center load • VSWR: 1.5:1 or less • Length: 18" • Conn: SBB-2 PL-259, SBB-2NMO: NMO style • Max Pwr: 60W

**Maldol EX-107RB / EX-107RBNMO DUAL-BAND 2M/440MHZ**  
 Gain & Wave: 146MHz 2.6dBi 1/2 wave • 446MHz 4.9dBi 5/8 wave x 2 1 VSWR: 1.5:1 or less • Length: 29"

**COMET SBB-5 / SBB-5NMO DUAL-BAND 2M/440MHZ W/FOLD-OVER**  
 Gain & Wave: 146MHz 5dBi 1/2 wave • 446MHz 5.5dBi 5/8 wave x 2 • Length: 39" • Conn: SBB-5 PL-259, SBB-5NMO: NMO style • Max Pwr: 120W

**COMET SBB-7 / SBB-7NMO DUAL-BAND 2M/440MHZ W/FOLD-OVER**  
 Gain & Wave: 146MHz 4.5dBi 5/8 wave • 446MHz 7.2dBi 5/8 wave x 3 • Length: 55"



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The Pizza Harbor-Seaside, OR  
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Vista Sea Café-Seaside, OR

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Fue Enterprises-Santa Barbara, CA  
HamAv Electronics-Newberg, OR  
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Larry's Antenna-Brush Prairie, WA  
NGC/Comet-Anaheim, CA  
National Communications-Kettering, OH  
Rissler R&D.com-Lake Taps, WA  
The Ventenna Co.-Citrus Heights, CA  
Tigertronics-Grants Pass, OR  
Western Case Sales-Salem, OR  
Wired Communications-Scottsdale, AZ  
World Radio-Sacramento, CA

## Voice over the Internet Two Killer Applications

Mike Bloom W7RAT

**SAT 3:00 PM Seaside A&B**

1) Remote Control Your Radio

2) IRLP (Internet Radio Linking Project)

For those who want to enjoy using their ham station from anywhere in the world learn how to remote control your transceiver. In the session a "virtual radio" consisting of a laptop and a microphone will be used to connect to a remote transceiver and voice contacts will be made.

IRLP (Internet Radio Linking Project) is a system with ham radio at both ends of a QSO but with Internet in-between. You'll learn the basic principles of IRLP and how to use a node near you. Using a handitalkie you'll be able to talk to radio amateurs around the world as though they were locals.

## DXing for Beginners

Tom Meier K7ZZ

**SAT 11:00 AM Seaside C**

Tom, an experienced DXer and DXpeditioner, will discuss where to find the DX and how to confirm the contact once you've worked it. He'll also have some tips on how to make your signal heard among the many stations in a pile-up and some equipment software to make your DXing easier.

## DXpeditioning Difficult and Easy

Rick Smith KT7G

**SAT 1:00 PM Riverview B**

Rick will combine and compare two vastly different trips, one to ZK1 (North Cooks), the other to VP5 (Turks & Caicos). Recently retired from 35 years with Motorola, he now resides in Vancouver USA with his understanding wife Barbara. He is currently a board member of CCARC and Trustee of W7DX for WWDXC. His ham interests include DX, Contesting and CW. Rick's other interests include Photography and Macro floral Photography, some examples of which are shown in his presentation.

*Due to publication deadlines we apologize for any changes or omissions.*



# SEMINAR TOPICS

*Please silence audio signals during the seminars.*

This year again we hope that you find some seminars to attend that catch our interest and open the doors to new ham radio adventures. The presenters below volunteer their time to share with you their knowledge and skills on the many facets of this great hobby. What ever your interests are, you're sure to acquire a great deal of new knowledge to take home.

Listed below is an overview of the seminars we are presenting this year. This is to help you select the seminars of interest. When attending seminars, be sure to thank the presenter when it is over.

## ARRL Forum

**Mary Hobart K1MMH ARRL Chief Development Officer**  
**Jim Fenstermaker K9JF Northwest Division Director**  
**William Sawders K7ZM Northwest Division Vice Director**  
**SAT 1:00 PM Seaside A&B**

An opportunity to meet Jim, Bill and Mary and find out what the ARRL has planned with all these new regulatory changes as well as an opportunity to express your opinion on policy.

## Ham Radio and the Law

**Phil Kane K2ASP ARRL Volunteer Counsel**  
**SAT 3:00 PM Riverview A**

Phil, a lawyer and an engineer, is a F.C.C. veteran working many years in the San Francisco Office. He is ready to discuss the many legal aspects of our hobby such as part 97, CCR, and interference issues. Join him for a lively discussion of your rights and responsibilities.

## Exploring Digital Voice Modes

**Nick Sutton N7QOR**  
**SAT 1:00 PM Riverview A**

Are you feeling out to sea about digital voice? Nick will discuss the two dominate nodes P25 used mainly in the commercial fields and D-Star starting to gain a following in the amateur radio realm. He will do a primer on how they work and compare the two systems.

# SEAOPAC

## PRIZE AWARDS

**ALL PRIZE MODELS SUBJECT TO CHANGE**

**Sunday, 1:00 - 2:00 pm**

**Need Not Be Present**

**IC-91 AD Dual Band HT**

**IC-2720 H Dual Band Mobile**

**TM-G707 A Dual Band Mobile**

**DJ-596 TMKII Dual Band HT**

*Must Be In Convention Center — None by Proxy*

**IC-706 MKII G TH-D7A(G) Dual Band HT**

**DR-620T Dual Band Mobile**

**AmPro 1000 watt Generator**

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## Early Early Bird Prize

**Registration postmarked by February 17, 2007**

**To be eligible - Need Not Be Present**

**VX6R Tri Band HT**

## Early Bird Prize

**Registration postmarked by May 15, 2007**

**To be eligible - Need Not Be Present**

**IC-718 HF**

**TH-K2AT 2m HT**

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## HOURLY PRIZES

*Unclaimed prizes are re-issued! — None by Proxy*

**Hourly awards posted for two hours  
in the lobby and on stage**

## SPECIAL PRIZE

*Must Be In Convention Center*

*None by Proxy*

**Saturday, 2:30 pm & Sunday, 10:30 am**



12 STORE BUYING POWER FOR YOU  
AND ON-LINE ORDERING TOO!  
<http://www.hamradio.com>

ANAHEIM, CA - ATLANTA, GA - DENVER, CO - NEW CASTLE, DE - OAKLAND, CA - PHOENIX, AZ  
PORTLAND, OR - SALEM, NH - SAN DIEGO, CA - SUNNYVALE, CA - BURBANK, CA - WOODBRIDGE, VA

# Welcome to Seaside!

## Come by our booth and receive special show pricing!

For the Discriminating Ham



ICOM  
IC-7800



FTDX-9000D



TS-2000

# SEA-PAC SEMINARS

FRIDAY  
1:00 PM

FRIDAY ANTENNA WORKSHOP  
Rudy Severns N6LF (Pre-registration only)

Riverview AB&C

SATURDAY  
10:00 AM

Audio Enhancement Tech  
It All Starts at the Microphone  
Bob Heil K9EID Chip Magelli K7JA

Seaside A&B

Working with Emergency Managers  
Ed Bruette N7NVP

Riverview B

Thoughts on Dxing  
Lew Sayre W7EW

Riverview C

11:00 AM

Transmitter Hunting  
Hunt WB6BYU

Riverview A

Dxing for Beginners  
Tom Meier K7ZZ

Seaside C

1:00 PM

ARRL FORUM  
Mary Hobart K1MMH, Jim Fenstermaker K9JF and  
William Sawders K7ZM

Seaside A&B

Digital Voice  
Nick Sutton N7QOR

Riverview A

DXpetioning Difficult and Easy  
Rick Smith KT7G

Riverview B

Short Antennas for 80 & 40 Meters  
Bob Fansburg W7DV, Russ Fillinger W7LXR

Riverview C

Emergency Preparedness  
American Red Cross

Seaside C

3:00 PM

Voice over Internet — Two Killer Applications  
Mike Bloom W7RAT

Seaside A&B

Ham Law  
Phil Kane K2ASP

Riverview A

Introduction to A.P.R.S.  
Jim Schoch KA7AGH

Riverview B

The Miracle of Balance Feed and More  
Ken Glanzer K7GCO

Riverview C